

Claims

1. A separation structure (1) for isolating a delimited space (B) from the external environment (A), in particular a space (B) defined by an apparatus operating in the pharmaceutical material processing sector, the structure (1) comprising suitable assembled
5 separator means (2, 3, 4) of the panel type or the like, and seal means (G) inserted between the separator means (2, 3, 4); the structure being characterised in that the seal means (G) are of the fluid dynamic expansion type and are formed by at least two separately expanding tubular ducts (6, 8; 13, 14; 5, 5'); in each
10 of the two tubular ducts (6, 8; 13, 14; 5, 5') there being a supply of pressurised or, if selected, negative pressure fluid designed to be activated to cause the duct (6, 8; 13, 14; 5, 5') to expand or contract.
- 15 2. The structure according to claim 1, characterised in that the separator means (2, 3, 4) comprise at least one pair consisting of a first separator panel (2) and a second separator panel (3), between which a third panel (4) is positioned and connected; the seal means (G) formed by the ducts (6, 8; 13, 14;
20 5, 5') being connected to the first panel and the second panel (2, 3) and/or to the third panel (4).
- 25 3. The structure according to claim 2, characterised in that the third panel (4) positioned between the first panel and the second panel (2, 3) comprises a door (4) or cover (4) which can be opened to give access from the environment (A) to the space (B).
- 30 4. The structure according to any of the claims from 1 to 3, characterised in that the seal means (G) comprise a seal (5) in which there are at least two tubular chambers (6, 8) with a four-sided cross-section forming the two tubular ducts (6, 8).
5. The structure according to any of the claims from 1 to 3, characterised in that the seal means (G) comprise two seals (5,

5'), in each of which there is a tubular chamber (5, 5') with a four-sided cross-section forming a tubular duct (5; 5').

5 6. The structure according to any of the claims from 1 to 3, characterised in that the seal means (G) comprise a seal (5) in which there are three tubular chambers (10, 11, 12) with a triangular cross-section between which two compartments (13, 14) are formed, the compartment forming said two tubular ducts (13, 14); a seal (5) projection (15) being designed to bend and open
10 towards the space (B) when pressurised fluid is supplied in one of the ducts (14).